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Memo

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Quality Control

DQA:			Date:												
QA Closed:			Date:			WORK ORDER NON-	-C(JNFOI	RMANCE / U	DPDAIE	Wo	ork Order up	date only	П	AEROSPACE
Work Orde	r·					DISPOSITION				AGAINST	DEI	PARTMENT,	/PROCESS		
Part No	o					Rework Scrap Use-as-is Suspected Unapproved			Skid-tube Machining noforming Large Fab	Crosstube Small Fab Finishing Composite			Water Jet d. Eng. Coor. re/Packaging Supplier		Engineering Quality Other
Root	Ţ				Desc	ription of work order update		nitial	Ad	ction		Sign &			
Cause	İ	Date	Step	Qty		or non-conformance	Ch	ief Eng	Desc	cription		Date	Verificatio	n	QC Inspector
Design Doc/Data Equip/Tooling Handling/Pre Material Operator Offset/Setup Process Supplier Training Transport Unapproved		*	ŗ												
							FA	ULT CAT	TEGORY						
Landin		ear Bending Centre No Cracks Crimp/Kir Cuffs Crushing Heat Trea nspection Marks/Ch	nk/Ripple nt n Strip in natter	/Wave Tube		General Bend BOM/Route Broken/Damage/Defect Burrs Contamination Countersink Cut Too Short Drawing Drill Holes Finish		Grain Hardwa Inspecti Instruct Misalig Mislabe Misread Off-set	ion Incomplete/litions Incomplete gned/off center eled	/Unclear		Outside Dim Over/Under Part Incorred Part Lost/Mi Part Moved Positioned V Power Loss/	tolerance ci ssing Vrong		Pressure/Forced Set-up Temperature/Cure Weld Wrong Stock Pulled Other
	一,	Maye/Tw	ist in Tub	10		Fit/Function		10ut of 6	Saguanca			****	****		· · · · · · · · · · · · · · · · · · ·

Work Order ID 113126 *113126* Page 2 February-12-14 8:37:12 AM **Item ID:** D3456-1 Accept *N900040100* Setup Start **Revision ID:** Stop **Item Name:** Washer **Start Oty: 24.00** 2/10/14 **Start Date: Cust Item ID:** Required Date: 2/10/14 Req'd Qty: 24.00 **Customer:** Reference: Run Start Process Plan: Date:_____ Tooling: **Approvals:** Date: Stop Date:_____ QC: SPC (Y/N): Date: Sequence ID/ Operation Set Up/ Tool ID Tool # Plan Accept Reject Reject Insp. **Work Center ID** Description Qty Number Stamp **Run Hours** Code Qty Identify as per dwg & Stock Location: 57 046 0.00 130 DAS 33 *120* 100 14-02-21 Packaging 0.00 Memo Packaging 140 QC21- Final Inspection - Work Order Release 0.00

0.00

Memo

140

Quality Control

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DQA:		. Date:			WORK ORDER NON	~	NICOL	DRARRICE / LID	DATE			DART
QA Closed:		Date:			WORK ORDER NON-	-CC	NFO	RIVIAINCE / UPI		ork Order up	odate only	AEROSPACE
Work Orde	r•		:= :		DISPOSITION					EPARTMENT,	·	
Part N NCR N	0.				Rework Scrap Use-as-is Suspected Unapproved		t Therm	Skid-tube Machining noforming Large Fab	Crosstube Small Fab Finishing Composite	-	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
Root				Desci	ription of work order update		nitial	Actio	on .	Sign &		
Cause	Date	Step	Qty		or non-conformance	l	ief Eng	Descrip		Date	Verification	QC Inspector
Design Doc/Data Equip/Tooling Handling/Pre Material Operator Offset/Setup Process Supplier Training												
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	Bending Centre No Cracks Crimp/Kin Cuffs Crushing Heat Trea Inspectio Marks/Ch Turning S	nk/Ripple at n Strip in natter	/Wave Tube		Bend BOM/Route Broken/Damage/Defect Burrs Contamination Countersink Cut Too Short Drawing Drill Holes Finish		Grain Hardwa Inspecti Instruct Misalig Mislabe Misread Off-set	ion Incomplete/Unq ions Incomplete/Un ned/off center eled	 	Outside Dim Over/Under Part Incorred Part Lost/Mi Part Moved Positioned V Power Loss/	tolerance ct ssing Vrong	Pressure/Forced Set-up Temperature/Cure Weld Wrong Stock Pulled Other
<u> </u>	- Wave/Tw				Fit/Function	\vdash	4	Sequence				

Picklist Print

February-12-14 8:37:15 AM

Work Order ID: 113126

113126

Parent Item:

D3456-1

D3456-1

Parent Item Name: Washer

Start Date: 2/10/14

Required Date: 2/10/14

Page 1

Start Qty: 24.00

Required Qty: 24.00

Comments:

IPP A05.10.03New issueKJ/JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch		Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
91525A120		Purchased	No			100	Each	0.0000	1	24			
0150511	20								44		/ /		

*91525A120^

washer

19/4/21 (700)

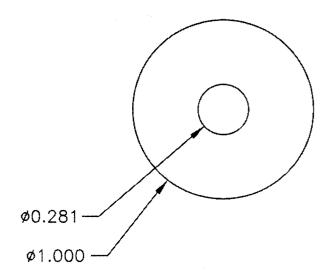
DQA:		_ Date:			WORK ORDER NON	~	NEO	2244NCE / 1155	A T.C			DART
QA Closed:		Date:			WORK ORDER NON	-C(JNFOI	RMANCE / UPD		ork Order up	date only	AEROSPACE
					DISPOSITION				AGAINST DE	· · ·		<u> </u>
Work Orde	r:								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Part N	o			<u></u>	Rework Scrap		ı	Machining	Crosstube Small Fab	1	Water Jet d. Eng. Coor	Engineering Quality
NCR N	lo				Use-as-is Suspected Unapproved			noforming C	Finishing omposite	Rec/Stor	e/Packaging Supplier	Other
Root				Desc	ription of work order update		nitial	Action		Sign &		
Cause	Date	Step	Qty		or non-conformance	Ch	ief Eng	Descripti	on	Date	Verification	QC Inspector
Design	_											
Doc/Data	_											
Equip/Tooling												
Handling/Pre												
Material												
Operator												
Offset/Setup												
Process												
Supplier												
Training												
Transport												
Unapproved									·			
						FA	ULT CAT	TEGORY				
Landir	ng Gear				General		-			-		_
	Bendin	3			Bend	L	Folio/F	rogram		Outside Dim	ensions	Pressure/Forced
	Centre	Not Conce	ntric		BOM/Route		Grain			Over/Under	tolerance	Set-up
ļ	Cracks				Broken/Damage/Defect		Hardwa	ire		Part Incorred	i	Temperature/Cure
	Crimp/I	Kink/Ripple	e/Wave		Burrs		Inspect	ion Incomplete/Unqu	alified	Part Lost/Mi	ssing	Weld
	Cuffs				Contamination	L	Instruct	ions Incomplete/Uncl	ear	Part Moved		Wrong Stock Pulled
ļ	Crushin	g			Countersink	L	Misalig	ned/off center		Positioned V	Vrong	_
	Heat Tr	eat			Cut Too Short		Mislabe	eled		Power Loss/	Surge	Other
	Inspect	ion Strip ir	Tube		Drawing		Misread	d				
	Marks/	Chatter			Drill Holes		Off-set					
	Turning	Sequence	!		Finish		Out of (Calibration				
	Wave/1	wist in Tu	he		Fit/Function		Out of	Seguence			<u> </u>	



	DESIG	CP	DRAWN BY	DART	AEROSPACE PORT HADLOCK, V	
ľ	CHECH	ŒO ,,	APPROVED A	DRAWING NO.		REV. A
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ľ	DATE	(2)(((((((((((((((((((((((((((((((((((·••	TITLE		SCALE
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T	Α		05.09.01	NEW ISSU	JE	



SPECIFICATION CONTROL **DRAWING**



Marie Carrier Carrier Carrier

D3456-1 WASHER

- 1) MATERIAL: 316 STAINLESS STEEL, 0.050" THICK
- 2) MAY PURCHASE McMASTER-CARR P/N 91525A120
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

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Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PO REPRINT

Purchase Order ID PO23067

Purchase Order Date 2/19/2014 PO Print Date 2/19/2014

Page Number 1 of 5

Order From:

MCMASTER-CARR SUPPLY CO, P.O. BOX 7690 CHICAGO, IL 60680-7690

US

VU-MCM001

Ship To:

DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Contact Name

Ship To Contact

Ship To Phone

Vendor Phone

330 995 5500

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms Currency Net 10 USD

FOB

FCA - (Free Carrier)

Ship Via

FedEx PI collect

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req. Qty/ Unit of Measure	PO Unit Price	Extended Price
1	91249A146 AS PER DWG D4898 REV. A	Screw, Stainless Steel	2/20/2014 Yes 3/20/2014		100.00 Each	\$0.05	\$5.40
	B113458					Line Total:	\$5.40
2	91525A120	washer	2/20/2014 Yes 3/20/2014		100.00 Each	\$0.27	\$26.64

113/25

Line Total:

\$26.64

PO Instructions: Procurement Quality Clauses

A005 right of entry

A026 certification of material conformance A040 notification of quality escape

Note:

McMASTER-CARR.

200 Aurora Industrial Pkwy Aurora OH 44202-8087 330-995-5500 cle.sales@mcmaster.com Dart Aerospace Ltd 1270 Aberdeen St Hawkesbury ON K6A 1K7 Canada Order Placed By Chantal Lavoie

Purchase Order

PO23067

02/19/2014

McMaster-Carr Number 8113645-02

ine		Description	Ordered S	hipped
f	91 249A14 6	Black-Oxide Finish Pan Head Phillips Machine Screw, 18-8 Stainless Steel, 6-32 3/8" Length, Packs of 100 Your Part Number: B113458	Thread, 1 Pack	1 1
		Unit Price: \$5.40 Extended Price: \$5.40		
- -	91525A120	Type 316 Stainless Steel Large Diameter Flat Washer, 1/4" Screw Size, 1" OD, Thick, Packs of 25 Your Part Number: B113216	.04"06" 4 Packs	4
		Unit Price: \$6.66 Extended Price: \$26.64		_
	97787A661	Expanding Diameter Quick-Release Pin, 1/4" Diameter, 1" Usable Length Your Part Number: B113418	30 Each	25
		Unit Price: \$114.68 Extended Price: \$2,867.00		
	92311A599	18-8 Stainless Steel Cup Point Set Screw, 5/16"-24 Thread, 5/8" Long, Packs of Your Part Number: B113205	50 4 Packs	4
		Unit Price: \$10.80 Extended Price: \$43.20		
	95606A170	Nylon 6/6 General Purpose Flat Washer, Off-White, 7/16" Screw Size, .69" OD, . Thickness, Packs of 100 Your Part Number: B113164	02"04" 1 Pack	1
		Unit Price: \$10.14 Extended Price: \$10.14		
	98606A010	Alloy Steel Cup Point Set Screw Assortment, 200 Pieces, 12 Sizes in a Compartn Plastic Box Your Part Number: 71500-30	nented 2 Each	2
		Unit Price: \$44.29 Extended Price: \$88.58		
	973 95A452	Corrosion Resistant Dowel Pin, Type 316 Stainless Steel, 1/8" Diameter, 1" Leng Packs of 10 Your Part Number: 71500-30	gth, 1 Pack	1
		Unit Price: \$9.79 Extended Price: \$9.79		
	5644K14	Assemble-Your-Own Retracting Air Hose, 5/16" ID, 3/8" OD, 210 PSI, Red, 100' Your Part Number: 71500-15	Length 1 Each	1
		Unit Price: \$74.74 Extended Price: \$74.74		
	5644K 5 4	Brass Male 360 Degree Easy-Install Body for 5/16" ID, Assemble-Your-Own Retr Air Hose Your Part Number: 71500-45	racting 20 Each	20
		Unit Price: \$7.80 Extended Price: \$156.00		